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		(\$ \footnote{1}			
	Application N	0.	Applicant(s)		
·	10/052,667		QIU ET AL.		
Notice of Allowability	Examiner		Art Unit		
	Anatoly Vortma	an	2835		
The MAILING DATE of this communication All claims being allowable, PROSECUTION ON THE MERIT herewith (or previously mailed), a Notice of Allowance (PTO NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATE of the Office or upon petition by the applicant. See 37 CFR	TS IS (OR REMAINS) L-85) or other approp NT RIGHTS. This ap	CLOSED in this appriate communication plication is subject to	olication. If not inclu will be mailed in du	ided e course. THIS	
1. \boxtimes This communication is responsive to <u>Amendment file</u>	<u>d on 12/22/04</u> .				
2. The allowed claim(s) is/are 1-28.					
3. The drawings filed on 09 September 2002 are accept	ed by the Examiner.				
 4. Acknowledgment is made of a claim for foreign prior a) All b) Some* c) None of the: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 	have been received.				
3. Copies of the certified copies of the priori			··········	cation from the	
International Bureau (PCT Rule 17.2(a)).	-		5 .,		
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DANGE noted below. Failure to timely comply will result in ABAND THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ATE" of this communion	cation to file a reply dication.	complying with the r	equirements	
5. A SUBSTITUTE OATH OR DECLARATION must be INFORMAL PATENT APPLICATION (PTO-152) which				NOTICE OF	
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.				
(a) ☐ including changes required by the Notice of Draft		wing Review (PTO-	948) attached		
1) hereto or 2) to Paper No./Mail Date _	<u> </u>		·		
(b) including changes required by the attached Exampaper No./Mail Date	niner's Amendment / (Comment or in the O	Office action of		
Identifying indicia such as the application number (see 37 (each sheet. Replacement sheet(s) should be labeled as such	CFR 1.84(c)) should be	written on the drawir	ngs in the front (not t	he back) of	
7. DEPOSIT OF and/or INFORMATION about the cattached Examiner's comment regarding REQUIREM				. Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	<u>د</u> □	Nation of Informal D	atant Application (D	TO 152\	
 □ Notice of References Cited (P10-692) □ Notice of Draftperson's Patent Drawing Review (PTO-5) 		Notice of Informal Particles of Information Particles Summary	(PTO-413),	10-102)	
3. ☑ Information Disclosure Statements (PTO-1449 or PTO	·	Paper No./Mail Dat Examiner's Amendn	e		

9. □ Other ____.

of Biological Material

 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 12/22/04
 4. ☐ Examiner's Comment Regarding Requirement for Deposit

8.

Examiner's Statement of Reasons for Allowance

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The allowability resides in the overall structure of the device as recited in sole pending independent claim 1, and at east in part, because claim as amended (by Applicant's Amendment filed on 12/22/04) recites: "wherein the deflection element span is characterized by a thickness that is modulated (emphasis added) along the span". The aforementioned limitations in combination with all remaining limitations of claim 1 are believed to render the claim and all claims dependent therefrom patentable over the art of record. The optimization of curved beam MEMS structure involving modulation of beam's thickness is a novel approach that constitutes an important feature of the present invention. None of the references cited during prosecution of the instant application has disclosed such thickness-modulated MEMS structures. None of the cited references either taken alone or in combination is believed to render the present invention unpatentable as claimed.

2. Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anatoly Vortman whose telephone number is 571-272-2047. The examiner can normally be reached on Monday-Friday, between 10:00 am and 6:30 pm..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. Lynn Feild can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Anatoly Vortman **Primary Examiner** Art Unit 2835

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